UK Subject to change

Document Ref:
FBF-1050E

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USER'S MANUAL

Ferm Plunge Router

FBF-1050E

Ferm®

Art.nr. 726195

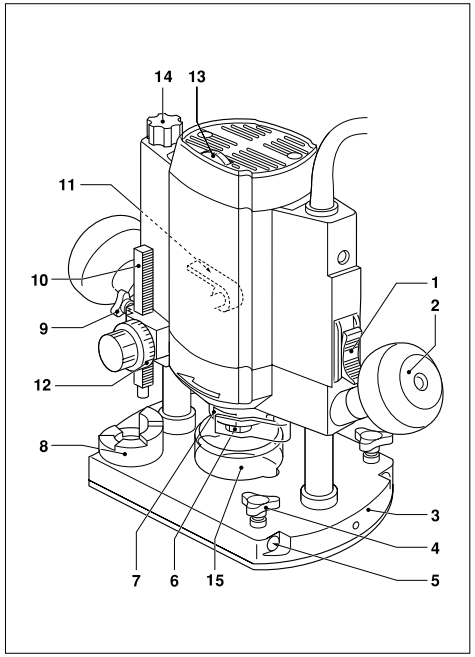


Fig. A

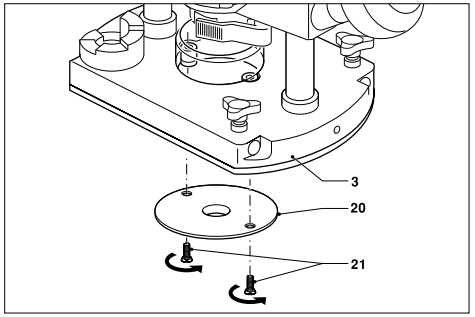


Fig. D

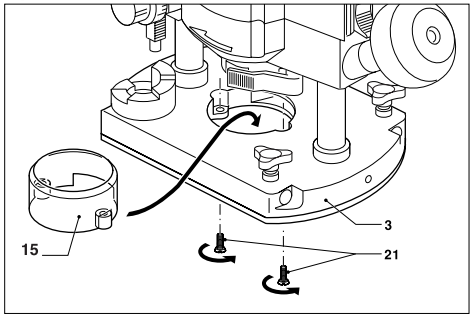


Fig. E

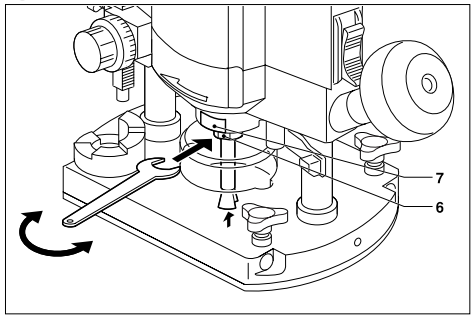


Fig. B

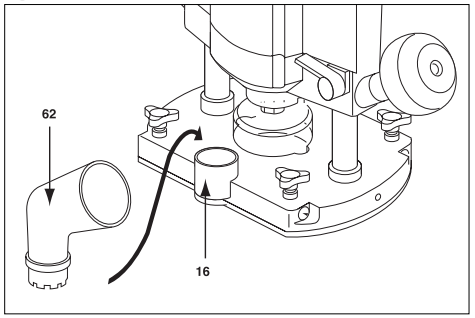


Fig. F

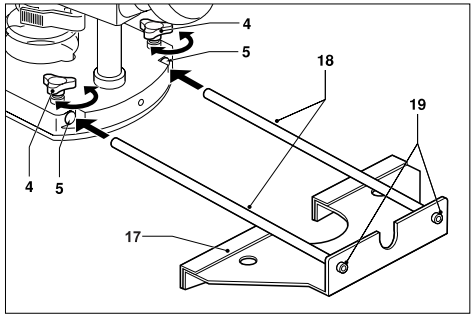


Fig. C

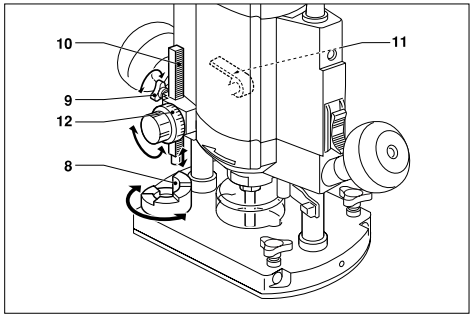
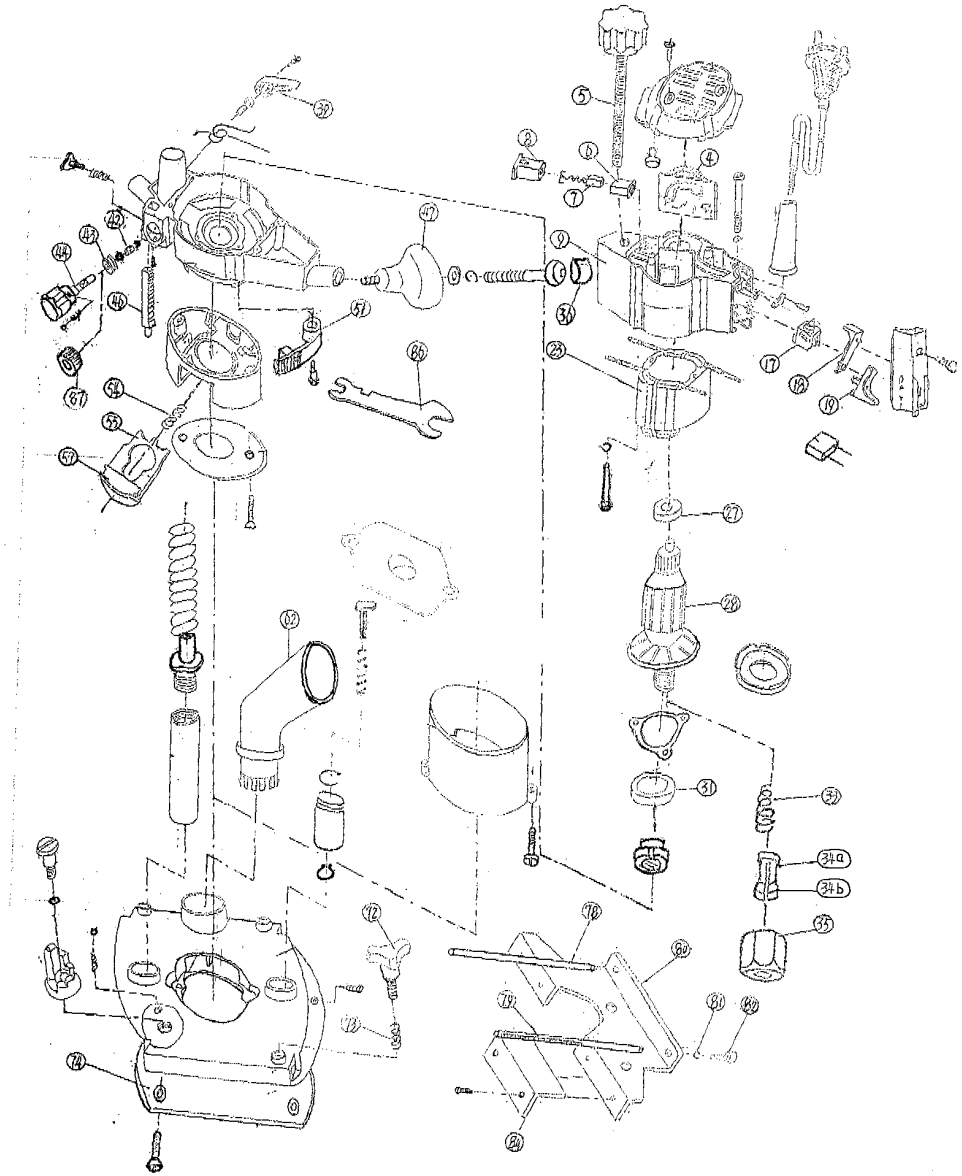


Fig. G

EXPLODED VIEW



SPARE PARTS LIST FBF-1050E

REF NR	DESCRIPTION	FERM NR
4	SPEED REGULATOR	302100
5	DEPTH KNOB	302101
6	COPPE BUSH	312004
8	BRUSH HOLDER	312004
9	ENCLOSURE	312002
17	SWITCH	302057
18	PULL-BACK BAR	302102
19	SWITCH ACTUATOR	302103
23	STATOR	302104
27	BEARING 60018	800608
28	ROTOR	302105
31	BEARING 80103	806003
33	SPRING FOR COLLET	302106
34A	COLLET	312008
34A	COLLET	312012
35	CHUCK NUT	312009
36	RUBBER CAP FOR HANDLE	302058
39	LOCKING LEVER	302002
42	GEAR	302107
43	BLOCK STOP	302107
44	SPEED REGULATOR	302107
46	RACK BAR	302108
47	HANDLE	302058
51	ROTARY SWITCH	302109
54	PAWL SPRING	302110
55	BRAKE RACK	302110
57	BUTTON FOR BRAKE RACK	302110
62	DUST TUBE	302111
72	SCREW	302112
73	SPING	302112
74	PLASTIC BOTTOM PLATE	302113
78	ROD B	302005
79	ROD A (WITH SCALE)	302005
80	GUIDE FRAME	302114
81	SPRING WASHER	302005
82	HOLLOW-HEAD SCREW	302005
84	PLASTIC LINER	302115
86	WRENCH	312011
87	SCALE PLATE	302107

UK English

PLUNGE ROUTER

THE NUMBERS IN THE FOLLOWING TEXT CORRESPOND WITH THE PICTURES AT PAGE 2

TECHNICAL SPECIFICATIONS

Voltage	230 V~
Frequency	50 Hz
Power input	1050 W
No load speed/min	9000-30000
Max. cutter diameter	30 mm
Cutting depth	30 mm
Collet	6 & 8 mm, 1/4"
Weight	3.28 kg
Lpa (sound pressure)	89.0 dB(A)
Lwa (sound power)	102.0 dB(A)
Vibration value	4.3 m/s^2

PACKAGE CONTENTS

1 Router
1 Parallel guide
1 Template guide
2 Screws
2 Nuts
1 Adapter for dust extraction
1 Dust tube
1 Wrench
1 Instruction manual
1 Guarantee card

Check the machine, loose parts and accessories for transport damage.

PRODUCT INFORMATION

Fig. A

The FBF-1050E router has been designed for professional routing of wood, wood products and plastics.

1 On/off switch
2 Handle
3 Router base
4 Locking bolt for parallel guide
5 Opening for parallel guide
6 Collet nut
7 Spindle lock
8 Revolver-depth stop
9 Locking bolt depth stop
10 Depth stop
11 Clamping lever
12 Scale cutting depth
13 Adjusting wheel electronic speed control
14 Height adjusting button
15 Adapter for extracting dust
16 Dust outlet

SAFETY INSTRUCTIONS

The following symbols are used in these instructions for use:

Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.

Denotes risk of electric shock.

Carefully read this manual before using the machine. Make sure that you know how the machine functions and how to operate it. Maintain the machine in accordance with the instructions to make sure it functions properly. Keep this manual and the enclosed documentation with the machine.

Ferm products are manufactured to high quality standards they are safe and fit for purpose at time of sale, but all tools can be dangerous if the correct precautions are not taken. Always follow these instructions, do not carry out the operation until you are sure you can do so in safety. Remember to consider the work environment for safe operation as well as safety for tool use.

Warning! *When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before attempting to operate this product. Save these instructions for future reference.*

PERSONAL SAFETY

Use Personal Protection Safety Equipment

Protect eyes with safety glasses or goggles note: the use of safety protective eyewear without the CE mark can lead to serious injury if the lens breaks. A suitable dust mask should be worn if cutting, drilling or sanding is dusty, in particular chipboard or MDF.
Approved safety footwear and headgear should worn as appropriate, for example on building works or when heavy weights are involved. Wear suitable gloves and apron to protect against sparks/debris. Wear earplugs or ear defenders.

Dress properly

Do not wear loose clothing or jewellery. It can get caught in moving parts. Non-skid footwear is recommended when working out doors. Wear protective hair covering to contain long hair.

Stay alert

Watch what you are doing Use common sense. Do not operate tools when tired or after taking alcohol or prescription/ non-prescription drugs.

OPERATIONAL SAFETY

Warning! *Be aware this planer can produce fine dust, which can be hazardous to your health. Always use a suitable mask, eye protection, and other personal protection equipment. Use dust extraction during working and cleaning.*

Concentrate
Routine and repetition can lead to mistakes. Remember that a slight lack of concentration can result in serious injuries in a split second.

Keep work area clean
Cluttered areas and benches invite injuries.

Consider the work environment
Do not expose power tools to rain or use them in damp or wet locations. Keep work area well lit. Do not use power tools in the presence of flammable liquids, vapours or gases.

Guard against electric shock
This unit contains dangerous voltages. Use a RCD (residual current device) to provide protection against electrical shock. Prevent body contact with grounded surfaces (e.g. pipes, radiator, ranges or refrigerators).

Keep children and pets away
Do not let children or pets come into contact with the tool, extension cable or work area.

Do not force the tool
It will work better and safer at the rate for which it was intended.

Use the right tool
Do not force small tools or attachments to do the job of a heavy-duty tool. Do not use tools for purposes for which they were not intended; for example do not use a circular saw for cutting trees or logs.

Do not abuse the cable
Never carry the tool by the cable or pull it to disconnect it from the power socket. Keep the cable away from heat, oil and sharp edges. Do not touch the metal plug pins when connecting or removing the plug.

Do not over-reach
Keep a proper footing and balance at all times.

Disconnect tools from power supply
When not in use, before servicing and when changing accessories such as blades, bits and cutters.

Always switch off and unplug the planer from the power supply before making adjustments or changing belts.

Remove adjusting keys and wrenches
Ensure that they are removed from the tool before switching on.

Avoid unintentional starting
Do not carry plugged in tools with your finger on the switch. Check that the switch is off before plugging in to socket.

Extension cables
Use only three core earthed extension cables suitable for the power input of the tool (minimum cable size 1.5mm^2). Plug into an earthed socket only.
When using a cable reel unwind it fully. Do not use long extension cables.

Outdoors use
If the tool is suitable to be used outdoors, only use an extension cable intended for outdoor use and marked accordingly. Use a RCD (residual current device) to provide protection against electrical shock. Do not use in rain or damp conditions.

Connect a dust extraction device
Whenever there are facilities for fitting a dust or fume extraction system, make sure it is connected and used.

Use recommended accessories
The use of an accessory or attachment other than recommended in the instructions or catalogue may present a risk of personal injury. Use an extension cable with a minimum conductor size of 1.5mm^2.
When using a cable reel unwind it fully.

MOUNTING ACCESSORIES

Prior to mounting an accessory always unplug the tool.

Wait until the machine has come to a complete standstill and the cutter has cooled down before replacing a cutter.

MOUNTING AND REMOVING CUTTERS
Fig. B

Only use cutters with a shaft diameter which corresponds with the size of the collet. Only use cutters which are suited for the maximum speed of the machine. The cutter diameter should not exceed the maximum diameter (see 'Technical specifications').

- Press the spindle lock (7) and turn the collet nut (6) until it engages in the lock. Keep the spindle lock pressed during this procedure.
- Open the collet nut using the wrench.
- Place the cutter shaft in the collet.
- Tighten the collet nut so that the cutter is locked properly.
- Open the collet nut when you want to replace a cutter.

MOUNTING AND ADJUSTING THE PARALLEL GUIDE
Fig. C

The parallel guide is a handy aid when working on narrow workpieces.

- Mount the parallel guide. Attach the guide rods (18) on the frame (17) using the bolts (19).
- Loosen the locking bolts (4) and slide the guide rods in the openings (5).
- Adjust the parallel guide to the desired guide distance.
- Tighten the locking bolts again.

MOUNTING THE GUIDE BUSH
Fig. D

The guide bush is a handy aid for cutting a pattern.

- Mount the guide bush (20) on the router base (3) using the screws (21).

MOUNTING THE ADAPTER FOR DUST EXTRACTION
Fig. E&F

Use the dust adapter for the extraction of dust.

- Mount the dust adapter (15, Fig. E) with the screws (21) on the cutter sole (3).
- Place the dust tube (62) in the dust output (16 Fig. F).
- Place the tube of your vacuum cleaner on the dust tube (62, Fig. F)

Keep the outlet of the machine behind the machine for a good view on the workpiece.

OPERATION

Always observe the safety instructions and applicable regulations.

Hold the machine in rest position on the workpiece when switching the machine on or off. The cutter in the collet may damage the workpiece.

- Clamp the workpiece and make sure that the workpiece cannot slide from under the machine during the cutting activities.
- Hold the machine firmly and move it evenly over the workpiece. Do not force the machine.
- Only use cutters which do not show any signs of wear. Worn cutters have a negative effect on the efficiency of the machine.
- Always switch off the machine first before removing the plug from the wall socket.

ADJUSTING THE CUTTING DEPTH
Fig. F

The cutting depth can be adjusted in three ways.

Adjustment using the height adjusting button

- Use the height adjusting button (14) to set a fixed cutting depth. Rotate the button clockwise to lower the machine's height; rotate the button counterclockwise to raise the machine's height.

Adjustment using the scale

- Loosen the locking bolt of the depth stop (9).
- Release clamping lever (11) and press the machine so far down until the cutter touches the workpiece.
- Tighten the clamping lever again.
- Lower the depth stop (10) completely by rotating the button counterclockwise.
- Tighten the locking bolt.
- Rotate the scale (12) to 0 position (arrow indicating 0).
- Loosen the locking bolt.
- Set the required cutting depth using the scale (12) and the depth stop (10)
- Tighten the locking bolt.
- Release clamping lever.

Adjustment using the revolver- depth stop

The revolver-depth stop enables you to quickly choose between six different cutting depths. These are also determined by the adjustment of the depth stop (10).

- Adjust the required cutting depth by rotating the revolver-depth stop (8).

SWITCHING ON AND OFF
Fig. A

- To switch the machine on, you press down the on/off switch (1) using your thumb. You can adjust the cutting speed by turning the adjusting wheel (13).
- To switch the machine off, you release the on/off switch by pressing the side of the switch using your thumb.

Always select a low speed for cutting plastic workpieces.

Do not put the machine down when the motor is still running. Do not place the machine on a dusty surface. Dust particles may enter the mechanism.

MAINTENCE, CARE AND REPAIR

Switch off and unplug the machine before carrying out any cleaning or maintenance work.

CLEANING
Wear personal protection equipment during cleaning. Do not use water or flammable liquids to clean the planer, clean with a soft brush.

FAULTS
Should a fault occur, e.g. after wear of a part, please contact your local Ferm dealer.

In the back of this manual you find an exploded view showing the parts that can be ordered.

LUBRICATION
The machine requires no user lubrication.

MAINTAIN TOOLS WITH CARE
Keep the tool clean for better and safer performance. Follow instructions for changing accessories. Inspect tool and extension cables periodically and if damaged, have them repaired by a qualified person or authorised service body.

Check for damaged parts
Do not use a tool with damaged parts, before further use a damaged tool must be carefully checked by a qualified person to determine that it will operate properly. Check for alignment of moving parts, binding or breakage of parts, mounting and other conditions that may affect its operation.
A damaged part or guard should be properly repaired by an authorised service centre, unless indicated otherwise in the instruction manual. Have defective switches replaced by an authorised service centre. Do not use a tool if the switch does not turn on and off.

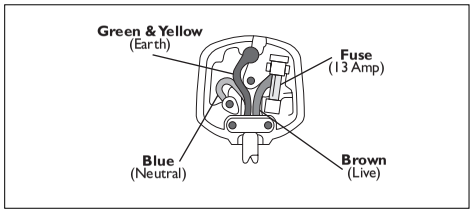
Have your tool repaired by an expert
This appliance is manufactured in accordance with relevant safety standards. Only experts must carry out repairing of electrical appliances, otherwise considerable danger for the user may result.

Storing tools
When not in use tools should be stored in the dry, out of reach of children.

ELECTRICAL INFORMATION
This product is complete with a pre-wired mains plug, if the plug needs replacing follow these instructions.
This planer is double insulated in accordance with EN 50144 therefore no earth wire is required.

Wire correctly
The wires in the mains lead are coloured in the following way:

BLUE • Neutral
BROWN • Live



Securing wires
Secure wires carefully and firmly to the correct terminals. Secure the mains cable in the plug cord grip firmly
Fit a 13-amp fuse. If a 5-amp (BS1362) plug is used a (BS1363) ASTA approved 13-amp fuse must be fitted

Recycle/Dispose of old plug and cable
Prevent inadvertent connection to socket and risk of electric shock.

ENVIROMENT
Recycle the packaging according to the identification marks on it.
At the end of the product or its accessories life please recycle where facilities exist. Phone the Helpline for current advice on recycling.

Helpline
For any questions relating to operational or safety matters contact:

Ferm Customer Helpline on:	**0115 966 1199**
Monday-Friday	**8am – 6pm**
Saturday	**9am – 1 pm**

GUARANTEE
The guarantee conditions can be found on the separately enclosed guarantee card.
Wear of the cutter is not covered by the guarantee.

CE DECLARATION OF CONFORMITY (UK)

We declare under our sole responsibility that this product is in conformity with the following standards or standardized documents

EN50144-1, EN50144-2-17,
EN55014-1, EN55014-2,
EN61000-3-2, EN61000-3-3

in accordance with the regulations.

98/37/EEC
73/23/EEC
89/336/EEC

from 26-11-2002
GENEMUIDEN NL
W. Kamphof
Quality department